

Camp Navajo
Stakeholder Advisory Group

Thursday, October 11, 2007
Camp Navajo
Bellemont, AZ

Minutes

Members in attendance:

Lee Luedeker, AGFD
Randy Wilkinson, NGB
Nicole Coronado, ADEQ
Kurt Novy, City of Flagstaff
Karen Underhill, community member

Interested Parties:

Gavin Fielding, ADEMA
MAJ Brian Saunders, NGB
Tom Parker, Camp Navajo
Diana Deming, ADEQ

Members absent:

Tom Britt, community member
Shannon Clark, Coconino National Forest
Shaula Hedwall, USFWS
Glenn Morrison, community member
LTC Adrian Nagel, Camp Navajo
Tina Williams, Coconino National Forest

Guests:

Ken Greene, CH2MHill
Julie Hamilton, AMEC
Dana Downs-Heimes, CH2MHill
Bill Holbert, Camp Navajo Security
Marty Rozelle, The Rozelle Group
Pat Wiegand, Brown & Caldwell

The following acronyms may be used throughout this document

ADEMA	Arizona Department of Emergency and Military Affairs
ADEQ	Arizona Department of Environmental Quality
AGFD	Arizona Game & Fish Department
AZARNG	Arizona Army National Guard
BRAC	Base Realignment and Closure
CDC	Contained Detonation Chamber
CERCLA	Comprehensive Environmental Response, Compensation, & Liability Act
COPC	Contaminants of Potential Concern
DoD	Department of Defense
EDMS	Electronic Data Management System
EE/CA	Engineering Evaluation/Cost Analysis
ERA	Ecological Risk Assessment
FOASA	Former Open Air Storage Area
FRA	Final Removal Action
FSP	Field Sampling Plan
FWPDBA	Former White Phosphorous Detonation and Burn Area (Chemical Canyon)
HHRA	Human Health Risk Assessment
IAP	Installation Action Plan
IRA	Interim Removal Action
IRP	Installation Restoration Program
HERA	Human Health & Ecological Risk Assessment
LTM	Long Term Management
MAP	Management Action Plan
MC	Munitions Constituents
MD	Munitions Debris
MEC	Munitions and Explosives of Concern

MRA	Munitions Response Area
MRS	Munitions Response Site
MWP	Master Work Plan
NAAD	Navajo Army Depot
NAU	Northern Arizona University
NGB	National Guard Bureau
OB/OD	Open Burn/Open Detonation
ORS	Ordnance Related Scrap
PBC	Performance Based Contract
PCP	Post Closure Plan
ppb	parts per billion
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RC	Response Complete
RI/FS	Remedial Investigation/Feasibility Study
RIP	Remedy in Place
ROD	Record of Decision
SAG	Stakeholder Advisory Group
SRL	Soil remediation level
SSHP	Site Safety and Health Plan
TPP	Technical Project Planning
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Forest Service
USFWS	U.S. Fish & Wildlife Service
USGS	U.S. Geological Survey
UXO	Unexploded Ordnance
WMM	Waste Military Munitions

The following matters were discussed, recommended, and/or decided.

1. *Welcome, Introductions and Announcements*

Lee Luedeker opened the meeting and asked everyone to introduce themselves. He made a birdhouse for Stacy Duffy to acknowledge excellent oversight of the project. Nicole Coronado promised to deliver the gift. There were no action items from the June meeting.

2. *2007 MEC Surface Removal Project*

Ken Greene, CH2MHill, provided a status report on the MEC removal project, and his presentation can be reviewed on the project website. The MEC location survey was completed in August 2007. MEC is being collected and consolidated and will be destroyed at the end of the season. The only exceptions are 29 acres of slope areas greater than 24%, most of which are around Volunteer Canyon and have been scanned visually. If these areas are not completely cleared of MEC, Tom Parker noted that future Installation training and forestry activities in this area may be hindered. The planned EE/CA reports will define future land uses.

Diana Deming asked about the status of the QC/QA process investigation, as ADEQ was informed the previous week that the MEC sweep contractor had missed two blind seeded items and had not investigated some exposed metal, as required by the work plan. Dana said CH2MHill is instituting a corrective action plan this week to correct sweep processes as a means to avoid missing items.

Dana noted that CH2MHill, its contractor, ADEQ and the U.S. Army Corps of Engineers are involved in a comprehensive Quality Control/Quality Assurance process. The contractor sweeps the entire area of a grid cell. CH2MHill performs QC inspections by systematically sweeping 10% of that grid cell. Finally, the Corps representative inspects another percentage of the grid cell and gives the final approval for the work.

MEC awareness training will become a standard part of Camp Navajo's annual Safety Day for Installation personnel to ensure they know the areas that are known to contain MEC. The training materials also will be given to hunters and incoming contractors, such as timber harvesters. Drafts of the training materials will be sent to ADEQ.

Camp Navajo will coordinate with AGFD on a generic hunter safety flyer for next year's season.

3. NAAD 02 and 09C Removal Actions

Pat Wiegand, Brown and Caldwell, updated the group on the NAAD 02 and 09C removal actions. The PowerPoint presentation is posted on the project website.

NAAD 02 is a 200-acre site where demilitarization of munitions by open detonation and burning occurred from the 1940s to 1994. The revised human and ecological risk assessments were completed in August 2007 and will be submitted to ADEQ for approval. Approximately 1800 cubic yards of excavated soil may be managed on site. 1300 cubic yards of contaminated soil requires off-site disposal due to elevated lead concentrations that exceed the non-residential soil remediation level (SRL). The only remaining activity includes finalizing the After Action Report.

NAAD 09C is a 2.1 acre site used for burning and consolidation of burned materials from the 1940s through the 1990s. Site clean-up activities have been continuing since 2004 and have been reported in past SAG meetings. NGB is preparing a response to ADEQ comments on the Draft Removal Action Completion Report. Approximately 12,000 cubic yards of excavated soil may be managed on site. 500 cubic yards will require off-site disposal due to elevated levels of dioxin and furans exceeding non-residential SRLs.

The non-hazardous soil will be disposed of in the Painted Desert Landfill in Joseph City. NGB has typically sent hazardous soil to the U.S. Ecology Facility in Beatty, NV.

4. OB/OD Program Update & Upcoming Fieldwork

MAJ Saunders, NGB, provided an OB/OD Area Program Update, including an update on ROD status, closure strategy, site status, CERCLA to RCRA process, near-term goals and long-term goals. The PowerPoint presentation is posted on the project website.

NGB and ADEQ have agreed to prepare various RODs in lieu of Decision Documents, because RODs are more stringent and legally defensible than are DDs. RODs will be prepared for the sites listed below. The responsible contractor is in parentheses.

- 7 OB/OD Area CERCLA Sites (MKM)
- 4 OB sites (AMEC)
- NAAD 02, NAAD 03, and NAAD 20 (Brown & Caldwell)
- 3 MRA Sites (CH2M Hill)

Upcoming proposed plans and RODs will be available at the NAU Cline Library and on the Camp Navajo website.

Site Closure Status: The following table summarizes the status of all sites as of October 11, 2007. Bold text indicates a change from the status presented at the June SAG meeting.

Site	Type	Fieldwork	R/RSE	HHRA	ERA	DD	PP	ROD
01	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
02	RCRA	Complete	Final	Future	<u>Future</u>	N/A	Future	Future
03	CERCLA	Complete	Final	___	Final	Draft	Future	Future
04	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
05	RCRA	Complete	Final	Final	Final	N/A	Future	Future
06	RCRA	Complete	Final	Draft	Final	N/A	Future	Future
07	CERCLA	Complete	Final	Final	Final	Draft	N/A	Draft
08A	CERCLA	Complete	Final	___	Final	Draft	Future	Future
08B	RCRA	Complete	Final	Final	Final	Draft	Future	Future
09A	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
09C	RCRA	Complete	Final	___	___	Final	N/A	<u>ESD</u>
09D	RCRA	Complete	Final	___	Final	Draft	Future	Future
10	CERCLA	Complete	Final	___	Final	Draft	N/A	Draft
13	RCRA	Complete	Final	Final	___	Draft	Future	Future
20	CERCLA	Complete	Final	Final	___	N/A	Future	Future
E76	CERCLA	Complete	Final	___	___	Draft	N/A	Draft

The closure strategy is the same as presented in June.

- NAAD 02 – removal action is complete; interim removal action (IRA) report due to NGB this week. Revised HERA will be included. Programmed for completion in 2008.
- NAAD 09C – Removal Action Completion Report currently at ADEQ for review.
- NAAD 02 and NAAD 09C soil stockpiles – ADEQ approved on-site management plans. \$3.2 million cost avoidance.
- Surface and ground water characterization, 2nd annual report – NGB submitted responses to ADEQ comments this week.
- Cultural Resources Phase 2 Treatment Plan and Draft Memorandum of Agreement – at NGB for review.
- Natural Resources – USFWS approved programmatic biological assessment for the OB/OD Area – good through 2012.

- Supplemental MEC Characterization Project – MEC Characterization Reports are complete. CH2MHill is preparing responses to comments.
- Future Land Use Designation – Randy has drafted an information paper.

Near and long-term goals:

Fieldwork - 2007

- NAAD 02 and NAAD 09C Soil Pile Management
- MEC IRA (surface removal) at
 - MRA 01 – MRS A, MRS B, MRS C
 - MRA 02 – MRS C-South
- OD Event in December (and possible blow in place) after MEC IRA – will notify USFWS and others

Reports - 2007

- RCRA Post Closure Plan – draft due to NGB October 15.
- Engineering Evaluation/Cost Analysis (EE/CA) for MRA 01, MRA 02, and MRA 20
- MEC IRA Reports
- Proposed Plans and RODs

Project Goals – 2008 and 2009

- Groundwater monitoring variance pending ADEQ approval
- Finalize EE/CA for MRA 01, MRA 02, and MRA 20
- Proposed Plan/ROD for 2008 Final Removal Action (FRA)
- TPP / FRA Work Plan – Early 2008
- Conduct 2008 FRA
- Conduct 2008 NAAD 02/09C on-site soil management
- RCRA Post Closure Permit Application – 2008
- Complete CERCLA Closure – 2009
- Initiate RCRA Post Closure Care- 2009

5 *Next SAG Meeting*

SAG meetings for 2008 will be held on: February 14, June 12, and October 9. The June meeting will be in the evening and Lee will contact the USFS about using their room. A suggestion was made to invite the AGFD researcher for the permeability elk studies for the I-17 corridor.

6. *Call to the Public*

No members of the public were present.